

Amendments to the Claims:

Claim 3 is cancelled and claims 1, 6 and 10 are amended as set forth hereinafter.

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A method for controlling a drive unit including a drive unit of a motor vehicle having an internal combustion engine, said engine being equipped with a secondary air charger having a turbine, the method comprising the steps of:

5       blowing secondary air into an exhaust-gas system of said engine utilizing said secondary air charger;

      driving said secondary air charger via a pressure drop across an actuating element for adjusting an air supply to said engine; ~~and,~~

10       driving said actuating element for adjusting said air supply to said engine which is corrected in dependence upon an air mass flow driving said turbine of said secondary air ~~charger~~ charger;  
and,

adapting a value of the air mass flow through said turbine  
15 by comparing a measured air supply to said engine to a modeled  
air supply to said engine.

2. (Original) The method of claim 1, wherein said actuating

element is so driven that the air mass flow, which is to be supplied to said engine via said actuating element, corresponds to the total air mass flow less the air mass flow through said turbine.

3. (Cancelled).

4. (Original) The method of claim 1, comprising the further step of measuring the air supply to said engine with at least one of an air mass sensor and a pressure sensor.

5. (Original) The method of claim 1, comprising the further step of modeling the air supply to said engine in dependence upon the engine rpm and the position of said actuating element while considering the air mass flow through said turbine of said secondary air charger.

6. (Currently Amended) The method of ~~claim 1~~ claim 1, comprising the further step of detecting a defective operation of said secondary air charger when the adapted air mass flow through said turbine of said secondary air charger lies outside of a pregiven tolerance band.

7. (Original) The method of claim 6, comprising the further step of selecting said tolerance band in such a manner that said tolerance band includes a modeled value for the air mass flow through said turbine of said secondary air charger.

8. (Original) The method of claim 1, comprising the further step of detecting a defective operation of said secondary air charger when a measured oxygen concentration in said exhaust-gas system deviates in magnitude by more than a pregiven threshold value from a pregiven oxygen concentration.

9. (Original) The method of claim 1, comprising the further step of detecting a defective operation of said secondary air charger when a measured air/fuel mixture ratio in said exhaust-gas system deviates in magnitude by more than a pregiven threshold from a pregiven value.

10. (Currently Amended) An arrangement for controlling a drive unit including a drive unit of a motor vehicle having an internal combustion engine, said engine having an exhaust-gas system and being equipped with a secondary air charger having a turbine, the arrangement comprising:

means for blowing secondary air into said exhaust-gas system of said engine utilizing said secondary air charger;

means for driving said secondary air charger via a pressure drop across an actuating element for adjusting an air supply to said engine; and,

control means for driving said actuating element for adjusting said air supply which is corrected in dependence upon an air mass flow driving said turbine of said secondary air charger ~~charger; and.~~

means for adapting a value of the air mass flow through said turbine by comparing a measured air supply to said engine to a

modeled air supply to said engine.